19980103.qrp v00_n959.qrs.980103

Date: Sat, 3 Jan 1998 19:03:11 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 959

QRP-L Digest 959

Topics covered in this issue include:

  1) [34319] fox spot
     by "tom palmer" <n1tp@worldnet.att.net>
  2) [34320] GM-10 RF gain control?
     by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
  3) [34321] Re: HW-8 TX/RX offset
     by Jeff Grudin <grudin@pacific.vdbs.com>
  4) [34322] Phoenix Crystal e-mail address
     by Dave Slade <dslade@lightlink.com>
  5) [34323] Re: Antenna Results (Good results!) - little long
     by "Karl B. Staddon" <ve6kbs@agt.net>
  6) [34324] Re: G4ZPY Paddle Keys
     by Jeff Grudin <grudin@pacific.vdbs.com>
  7) [34325] MI Qrp contest help
     by Rhonda and Rick Zabrodski <beyond@cadvision.com>
  8) [34326] Re: G4ZPY Paddle Keys
     by "Karl B. Staddon" <ve6kbs@agt.net>
  9) [34327] Re: Fox: N/T Fox Tonite W2MBY
     by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
 10) [34328] Re: Phoenix Crystal e-mail address
     by Rich Wilkerson <richqrp@home.com>
 11) [34329] W2MBY--Good job as Fox!
     by "David Ek" <ekdave@earthlink.net>
 12) [34330] Re: SBL-1
     by Laura Halliday <ve7ldh@direct.ca>
 13) [34331] WTB: 38S built/unbuilt
     by "Brandon Brinkley" <ac4ou@mail2.wilmington.net>
 14) [34332] Re: G4ZPY Paddle Keys
     by John Moriarity <k6qq@SOCAL.WANet.com>
 15) [34333] N/T+ Fox Spotted - Go get him!
     by Joe Gervais <vole@primenet.com>
 16) [34334] N/T Fox W2MBY
     by Shephed <Shephed@aol.com>
 17) [34335] N/T Fox for 1/5/98
     by Shephed <Shephed@aol.com>
 18) [34336] ALC "Cheater"
     by "Lee Hiers, AA4GA" <aa4ga@contesting.com>
 19) [34337] N/T FOX (W2MBY) NICE WORK

by "Earl W. Murphy" <aa385@gpfn.sk.ca>
20) [34338] For Sale: Pixie 2 Kit w/Atomic Keyer
by Jim Dolson <jdolson@iserv.net>
21) [34339] DX Heard: 9V1ZB
by Joel Malman <malman@BBN.COM>
22) [34340] Re: morse code at the movies
by "mahlon.r.haunschild" <mahlon.r.haunschild@ac.com>
23) [34341] RE: Dayton 1998 QTH
by Adrian Weiss <aweiss@sunflowr.usd.edu>
24) [34342] Help w/Used Gear Prices
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
25) [34343] Friday nite fox
by Lamborn@onlinecol.com
26) [34344] Christmas portable-what a blast!
by "Greg Heath-kb2qqm" <kb2qqm@email.msn.com>
27) [34345] For Sale: SBL-1 Mixers
by ori@juno.com (Ori K Mizrahi-Shalom)
28) [34346] FS: Index QRP+
by Tim Ahrens <tahrens@inetport.com>
29) [34347] Re: Maidenhead Grid Locators Explained
by Leon Heller <leon@lfheller.demon.co.uk>
30) [34348] Re: G4ZPY Paddle Keys
by Leon Heller <leon@lfheller.demon.co.uk>
31) [34349] Re: I have good news.... and I have bad news...
by Leon Heller <leon@lfheller.demon.co.uk>
32) [34350] K1EL K8 and TiCK PWBs
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
33) [34351] FOR SALE: SBL-1 Mixers
by ori@juno.com (Ori K Mizrahi-Shalom)
34) [34352] Re: SBL-1
by Leon Heller <leon@lfheller.demon.co.uk>
35) [34353] W3CV's Fox log 2/JAN/98
by Scott Bauer <ke3nv@erols.com>
36) [34354] Working Weak Signals
by David Ackrill <g0dja@zetnet.co.uk>
37) [34355] Re: DX Heard: 9V1ZB
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
38) [34356] Re: Working Weak Signals
by Zack Lau <zlau@arrl.org>
39) [34357] Weak Station work
by Stanley Wilson <microres@crl.com>
40) [34358] Getting ftp files thru a browser
by Mike Czuhajewski <wa8mcq@u1.abs.net>
41) [34359] FOX TASTES GOOD!
by ARDUJENSKI <ARDUJENSKI@aol.com>
42) [34360] Pixie/49er Logs- Send them in!
by Randy Hargenrader <randyh@harksystems.com>
43) [34361] Correction to Tuthill '98 dates

by Roger Hightower <n7kt@earthlink.net>
44) [34362] FOX: N/T Fox Report for W2MBY
by W2MY & W2MBY <n2mnn@spacegate.com>
45) [34363] Filter fix for NW80/20
by "Leonard J. Barish" <barish@kutztown.edu>
46) [34364] FS LDG AT-11 Tuner
by Dan Dobson <ddobson@iei.net>
47) [34365] Is the band noisy or is it local?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
48) [34366] Request Data on IN4004 as a Tuning Diode
by astone@erols.com
49) [34367] The Q of Toko inductors at audio frequencies?
by Herb Watson <watson@snet.net>
50) [34368] L/C II-B
by sigcom@juno.com (Stephen M Smith)
51) [34369] Minimum versus Typical Characteristics for ICs
by astone@erols.com
52) [34370] Re: Argo 556
by n4js@pobox.com (John Sielke)
53) [34371] Re: Invasion of 10M
by k5gq@juno.com (C M Tyler)
54) [34372] Second Reminder for the JANUARY SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
55) [34373] 38s enclosures??
by n1wcc@juno.com (russel a hillman)
56) [34374] Re: Minimum versus Typical Characteristics for ICs
by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
57) [34375] Re: K1MG's calculations: mi/watt
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
58) [34376] Re: How low can you go?
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
59) [34377] Re: 1/2-wave dipole --- 50ohm feed
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
60) [34378] Re: L/C II-B
by "George T. Baker" <w5yr@swbell.net>
61) [34379] MFJ #493 Memory Keyer
by DENNIS MO <DENNISMO@aol.com>
62) [34380] FOR SALE: CASCADE & SIERRA
by Ken Lopez <kjlopez@earthlink.net>
63) [34381] For Sale: Books
by Ken Lopez <kjlopez@earthlink.net>
64) [34382] Re: MFJ #493 Memory Keyer
by Hank Kohl K8DD <k8dd@contesting.com>
65) [34383] Piezo element for TiCK?
by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
66) [34384] Re: For Sale: Books
by Ken Lopez <kjlopez@earthlink.net>
67) [34385] IC-730 qrp mod

by "Claton Cadmus" <aplitech@spacestar.net>

Date: Fri, 2 Jan 1998 07:05:45 -0500
From: "tom palmer" <n1tp@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [34319] fox spot
Message-ID: <19980103000528.AAA2341@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

w2mby is on 7.141. N1TP, TOM, NAPLES, FL.

Date: Sat, 03 Jan 1998 01:38:43 +0200 (EET)
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
To: qrp-l@Lehigh.EDU
Subject: [34320] GM-10 RF gain control?
Message-ID: <01IRX9M5KREE8Y6E7H@vyh21.vyh.fi>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Now that 10 m is open more often I built a 10 m QRP rig of the Green Mountain series to try and work HF from home with an antenna on my apartment balcony (ca. 1,5 x 1,5 m). I don't have any 10 m antenna yet, so I'll take suggestions on that, too, but first I want to get this new rig cased and all working.

The 'problem' I have is that the Green Mountain rig has no AGC. There is an AF gain control in front of the AF amp. Sidetone is derived by the RX from the TX signal itself.

There is a provision to control the gain of the IF amplifier, an MC1350, on pin 5. I know how to do this, no problem here. I have a simple circuit to derive an AGC signal from the audio output, but using gain control of the IF amp necessitates moving the audio control pot outside the AGC loop to the output of the AF amp.

Because I have never used a straight key I have added a TiCK keyer. It has its own sidetone enabled by default. The keyer sidetone can be switched off, but it needs to be audible for keyer command feedback. I will mix it with the RX audio before the AF amp. The mixing should not be a big problem, but two sidetones is too much. I can disable the

rig's sidetone by taking out one resistor, but it looks like this introduces clicking. Maybe a problem with the RX muting circuit introduced by my modifications?

I have tentatively set up the rig with sidetone from the keyer. Rig's sidetone is disabled and audio gain control is done with a 220 Ohm pot at the audio output. I hear clicking in the speaker and have some problems with the sidetone level. Maybe I should try the original setup instead?

What puzzles me is how an RX without RF gain control would behave in practice? If I eventually would have to add a manual RF gain control pot, I need space for one more hole in the (not too wide) front than with AGC or no RF gain control at all. In my experience some form of gain control ahead of the product detector is needed to prevent overdriving it and save my ears, too. Do I worry too much?

Did I make this too complicated? I hope to receive your very valued opinions, in particular from those OM that use a GM-series TRX in original or modified configuration.

Oh, and if you still remember my antenna dilemma: I thought of buying an 11 m CB vertical antenna, shorten it for 10 m and stick it to the railing of the balcony. Would it be any good (at 1 W QRP CW) or should I rather try something else?

Thanks very much for reading this.
73, OH2ZAZ
Arjen Raateland
--... ...-- -.. . --- .... ..--- --.. .- --..
Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax +358 9 4030 0490
.-.-. -.-

Date: Fri, 02 Jan 1998 16:22:20 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>, Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [34321] Re: HW-8 TX/RX offset
Message-ID: <34AD84BC.7F04@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

I want to publically thank you for your help. I sent an email of HID (ham in distress), and you saved me coutless hours of puttering aimlessly. Your answer came even before I had time to try to fix the rig.

I looked right where you said and low and behold someone had replaced C55 with a little trim cap and a quick twist of the wrist and voila a working rig.

To repeat what has been said before, this list is great. For those of us trying to learn some electronics on our own it is invaluable.

Thanks again.

--
73 de Jeff AC6KW
grudin@vdbs.com

Date: Fri, 02 Jan 1998 19:27:54 -0500
From: Dave Slade <dslade@lightlink.com>
To: qrp-l@Lehigh.EDU
Subject: [34322] Phoenix Crystal e-mail address
Message-ID: <34AD860A.3996@lightlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Happy New Year to the list members, and does anyone have the e-mail address for PHXTALS ? Ive got the phone number and mail address , but he's switched servers since I used his last address I have for them...

Thank, Dave K2SJB

Date: Fri, 02 Jan 1998 17:25:45 -0700
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: KB9RPD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34323] Re: Antenna Results (Good results!) - little long
Message-ID: <34AD8589.2B95@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ted, re operating in Ontario, it is my understanding that US and Canadian Amateurs may
operate in each other's countries without the need to get a piece of paper evidencing
reciprocal licensing - in plain talk, just go ahead and operate giving your US callsign/portable VE3 (if in Ontario).

Cheers de Karl, VE6KBS, CALGARY, AB.

KB9RPD wrote:
>
> Another thank you to everyone that helped with my antenna question. I decided
> to relay my results...all good.
>
> I stopped by radio shack (the closest electronics store I have) and picked up
> supplies for a twin lead jpole. I decided to give it a try since it seemd
> portable enough. I got some twinlead for a few bucks and a 12 foot piece of
> coax with BNC connectors on it. I figured I'd cut it to size...if I messed
> one up, I'd still have the other side! I'll tell you, I must have bought
> kevlar encased 300Ohm twin lead! That stuff was difficult to cut! I used
> directions someone sent. The difficult part was soldering the feed line to
> the jpole. I need more practice...perhaps I'll make another. I had one
> problem, which I am confused by. My wife listens to the scanner and said that
> when I transmitted on the jpole, the transmission would buzz. (After I made
> the antenna). Since then, I haven't had the problem. The directions said to
> add a ferrite choke to the feed line. When I remove the choke, the buzz
> doesn't occur.
>
> I hung the jpole up in my study turned on the HT (hooked up to my little
> portable baycom BP multimode and toshiba laptop. Bingo! Better reception. I
> picked up a few more stations in my area.
>

> But, I had to try the ground plane made with the SO-239. Sooooo, I picked up
> some copper wire scraps from a building project that is taking place where I
> work (got about 10 feet of electrical wire for free...I just got to take it
> out of the tubing and strip it). Voila! I had lost several of the messages I
> received on the ground plane, so I looked through my ARRL "Now You're Talking"
> book and found the instructions for the ground plane.
>
> I went down to radio shack, picked up an SO-239 (probably cost $2.00). I
> already had a 6foot piece of coax with BNC connectors on it...didn't have to
> buy that. But, I needed something to elminate any poor soldering skills of
> mine. I got a connector for the SO-239 that lets me attach the BNC cable.
>
> Construction was a little laborious! Very cumberson, buy easy. I was able to
> find some scrap copper grommets that fit (EXACTLY) into the hole that would
> give me good solder points for my radials. I didn't have any screws small
> enough to attach the radials to the SO-239. It worked perfectly! I put a
> small bead of solder at the top of the antenna, looped some 25lb fishing line
> below the bead and hung it off the ceiling in my study. BINGO! I saw twice
> as much traffic! I even made a decent connection to a BBS about 20 miles away
> at 2.5Watts!! What is interesting is that I found that the antenna works best
> in a very peculiar location in my study. I need to look up the RF guidlines
> on that. The 6 foot BNC feed line cable works best.
>
> Now, I have not transmitted in voice mode yet....I have done all packet mode
> because that was my original problem...poor reception. But, I am assuming
> (never assume... ;) that everything should be ok. I have a SWR Watt meter
> combo I bought from MFJ that connects to the top of my HT-202. I am just a mm
> or so off of 1:1 Pretty good I think.
>
> I have a question though. Does it hurt the antenna if I bend the tip into a
> small loop so I can hang it? I decided not to take a chance and I used a bead
> of solder...so monofiliment line could cinche up against it...works well. I
> guess I would have to say that my ground plane with a 6 foot feed line gets
> the best performance. But, I love the jpole... ;) looks great!
>
> I would say building both antennas cost LESS than $10.00. Pretty good! I
> will probably make another 146Mhz tuned ground plane that can be
> dismantled...I found some good screws to use for the radials and the SO-239.
>
> Also, does anyone know what the rules/laws are about FCC licensed amteurs
> transmitting from Canada? I will be travelling to Ontario in August on a
> fishing trip...out in the middle of nowhere....going to be nice. But, I'd
> like to try a few contacts. Do I have to get a reciprical license from
> Canada?
>
> Thanks
>
> Ted, KB9RPD

Date: Fri, 02 Jan 1998 16:29:14 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@lehigh.edu>, khamilton@cisnet.com
Subject: [34324] Re: G4ZPY Paddle Keys
Message-ID: <34AD865A.2EA8@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Keith,

The current issue of World Radio has a little piece on the G4PZY paddle.

The address is:

G4PZY Paddle Keys
41 Mill Dam Lane
Burscough, Ormskirk, Lancs
England, L40 7TG

Phone: 011-44-1704 894299

Hope that helps.
--
73 de Jeff AC6KW
grudin@vdbs.com

Date: Fri, 02 Jan 1998 17:43:45 -0700
From: Rhonda and Rick Zabrodski <beyond@cadvision.com>
To: qrp-l@Lehigh.EDU

Subject: [34325] MI Qrp contest help
Message-ID: <34AD89C1.6AA2@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Saw chuck's post. I need the rules and times. (We had a postal strike
in December, no recent ham mags).   Quick reply appreciated as I will
have some time to play radio on Sat at least.

Rick
VE6GK

Date: Fri, 02 Jan 1998 17:37:21 -0700
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: khamilton@cisnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34326] Re: G4ZPY Paddle Keys
Message-ID: <34AD8841.1F87@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Keith, the August 1997 issue of Morsum Magnificat - Number 53 has an ad
on page 27 by G4ZPY Paddle Keys International, 41 Mill Dam Lane,
Burscough, Ormskirk, Lancs., England L4O 7TG   TEL/FAX (01704) 894299

It says, "For information on all our Products, just send a 9" x 4"
S.A.S.E. (GB), or 2 IRCs Overseas."

Hope this is useful,
Cheers de Karl, VE6KBS, CALGARY, AB

Keith Hamilton wrote:
>
> Several years ago I purchased a beautiful miniature
> paddle key from G4ZPY Paddle Keys International.
>
> Are they still in business? I need their address so I
> can send away for literature. I think they used to
> advertise in World Radio Magazine.
>
> Thanks to the list for any help you can offer!
>

>   --
> Several years ago I purchased a beautiful miniature
> paddle key from G4ZPY Paddle Keys International.
>
> Are they still in business? I need their address so I
> can send away for literature. I think they used to
> advertise in World Radio Magazine.
>
> Thanks to the list for any help you can offer!

Date: Fri, 02 Jan 1998 18:48:53 -0600
From: "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
To: n2mnn@spacegate.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34327] Re: Fox: N/T Fox Tonite W2MBY
Message-ID: <34AD8AF4.BB33FBED@iname.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

    John, you are my first fox! Thanks for the QSO. You are doing a great job as the fox, I guess the young ears help. I have been reading about the fox hunts for the past several months on the QRP-l reflector, but this is the first time I have gone Fox hunting. I see you are 11 years old. That is the same age I was when I got my novice license exactly 40 years ago last month.

    My rig on this end is a Kenwood TS-130V at 5 Watts. and the antenna is a vertical loop about 1/2 wave in overall length fed with balanced feeders. This is a new rig for me so I don't have a picture of it yet on my web page.

    Tnx Agn and 72, John..

--
Roger B. Whitaker   K9LJB/QRP

"Madness takes its toll. Please have exact change."

Home page: http://www.cityscape.net/~whitaker/

Date: Fri, 02 Jan 1998 16:53:42 -0800
From: Rich Wilkerson <richqrp@home.com>
To: dslade@lightlink.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34328] Re: Phoenix Crystal e-mail address
Message-ID: <34AD8C16.C4B197AD@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Slade wrote:
>
> Happy New Year to the list members, and does anyone have the
> e-mail address for PHXTALS ? Ive got the phone number and
> mail address , but he's switched servers since I used his last
> address I have for them...
>
> Thank, Dave K2SJB
     He is now CW Crystals..... John Morris.. cwxtal@u-n-i.net
--
                    Rich Wilkerson
                  WD6FDD, Santee, Ca.
                      72's, 73's

Date: Fri, 2 Jan 1998 18:01:16 -0700
From: "David Ek" <ekdave@earthlink.net>
To: <n2mnn@spacegate.com>
Cc: <qrp-l@lehigh.edu>
Subject: [34329] W2MBY--Good job as Fox!
Message-ID: <000501bd17e3$46fad2a0$49e80b26@davidek>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John,

Enjoyed working you tonight as fox. Thanks for digging deep into the mud to work me! I know a 119 signal is tough to work--thanks for sticking with me. You're a fine op, young man. I only hope that I do as well as you if I ever take a turn as the fox!

72 de AB0GO Dave

Date: Fri, 02 Jan 1998 17:01:39 -0800
From: Laura Halliday <ve7ldh@direct.ca>
To: msebrakr@telepath.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34330] Re: SBL-1
Message-ID: <34AD8DF3.7C50A7B5@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger Braker wrote:
>
> Hi All,
> With all the talk about passive mixers like the SBL-1, what is
> wrong with active mixers like the NE602. Do they (active mixers)
> have a high noise figure. Just wondering.

There is nothing "wrong" with NE602s, and noise figure is largely irrelevant at HF. NE602s do precisely what they're supposed to do - but that includes strong-signal performance that is very much different from SBL-1, SL6440, Si8901, etc. Compare their intermod specs and you'll see what's going on.

As for the original poster's question - if you want it to be reproduceable and power consumption is not a big issue, I'd go for the SBL-1. If power consumption is an issue and you don't care too much about anybody else building it, use the SL6440. The best price/performance I've yet found at low HF is a 74HC4066 wired as a switching mixer (hint: check the QRP-L archives).

Mini Circuits make all kinds of mixers, by the way - not just the SBL-1. I like the TUF and JMS series, myself. As well as SKY for the real radios. :-)

...laura

Date: Fri, 2 Jan 1998 20:04:09 +0000
From: "Brandon Brinkley" <ac4ou@mail2.wilmington.net>
To: qrp-l@Lehigh.EDU
Cc: ac4ou@mail2.wilmington.net
Subject: [34331] WTB: 38S built/unbuilt
Message-ID: <199801030104.UAA11153@mail2.wilmington.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

If you have a built(working) or unbuilt 38S please email me.
brandon@wilmington.net will get the fastest response. If you reply
to this message it will be rather quick also....

73,

Brandon Brinkley AC4OU
brandon@wilmington.net
ac4ou@wilmington.net

Date: Fri, 2 Jan 1998 17:11:59 -0800 (PST)
From: John Moriarity <k6qq@SOCAL.WANet.com>
To: khamilton@cisnet.com
Cc: qrp-l@Lehigh.EDU
Subject: [34332] Re: G4ZPY Paddle Keys
Message-ID: <3.0.16.19980102153749.2f1fcc54@SOCAL.WANet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

G4ZPY Paddle Keys International
41 Mill Dam Lane,Burscough
Ormskirk, Lancs., England L40 7TG

Tel. 1704-894299 (you need to add the country code to this)

72,

John, K6QQ

(Another satisfied G4ZPY "3 in 1 miniature Paddle Key" owner.)

Date: Fri, 2 Jan 1998 18:23:42 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU

Subject: [34333] N/T+ Fox Spotted - Go get him!
Message-ID: <199801030123.SAA09622@usr05.primenet.com>

Howdy Folks,

N/T+ Fox spotted at 7.141, 0115Z. John was
chugging along nicely. Go get him! His NJ
sig was coming in nicely to AZ.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

---

Date: Fri, 2 Jan 1998 20:24:27 EST
From: Shephed <Shephed@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [34334] N/T Fox W2MBY
Message-ID: <25fe044c.34ad934e@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

John,
Thanks for the great QSO, man are you doing a fine job.
This was my first time at Fox Hunting.

72 DE
Dan N8VZU

Date: Fri, 2 Jan 1998 20:36:34 EST
From: Shephed <Shephed@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [34335] N/T Fox for 1/5/98
Message-ID: <a47014fb.34ad963c@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello all,
My name is Dan, N8VZU from Kettering, Oh
I will be the Fox on 1/5/98 from 0000 to 0100Z (Sunday 1900 EST)

I will work around 7.140 +/- MHz
Rig is a Yaesu FT-101 at 5 W into a home brew vertical.

Before the hunt, could one of you veterans give me some pointers?

Thanks, and 72
Dan, N8VZU

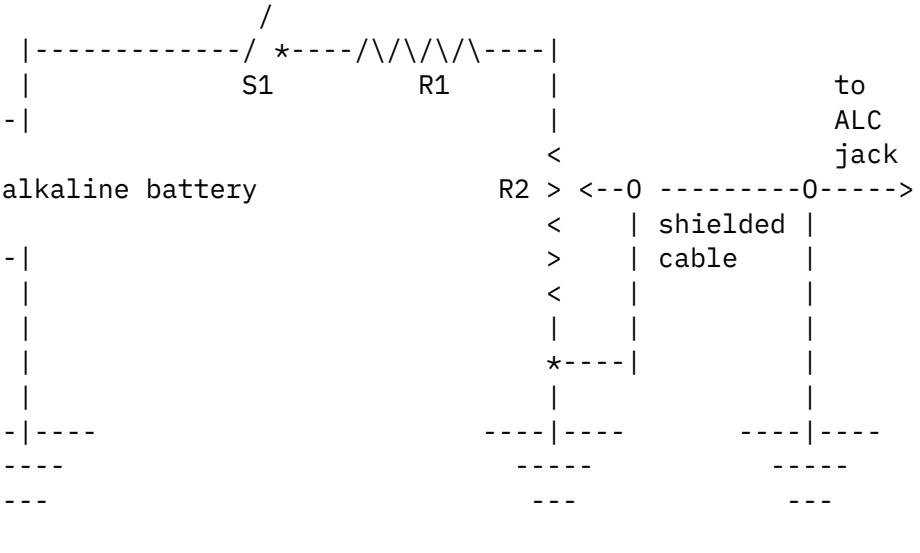
Date: Thu, 1 Jan 1998 16:53:41 +0000
From: "Lee Hiers, AA4GA" <aa4ga@contesting.com>
To: qrp-l@Lehigh.EDU
Subject: [34336] ALC "Cheater"
Message-ID: <199801030223.VAA85982@nss4.cc.Lehigh.EDU>

Hello folks...

Does anyone have any idea what values I should use for the Rs for a Kenwood TS-440 and/or a Yaesu FT-990? I couldn't find anything in my 440 manual indicating the ALC voltage it would look for, and I plain can't find my 990 manual....gotta be around here somewhere.....

HNY!

> QRP MOD FOR ICOM HF TRANSCEIVERS (from ICOM, dated 6/1/94)



> With this circuit connected to the radio, the power output is
> adjustable between 0 to 100 watts. For best results, leave the RF
> power at maximum and adjust for desired power using R2.
>
> S1 is used to turn off circuit when radio is not in use or QRP
> operation is not desired.
>
> Radio Model: R1 Value   R2 Value
>
> IC-761, 765   47K Ohms   20K Ohms
>
> IC-720(A), 735, 740,   2M Ohms   1M Ohms
> 745, 751(A), 275A/H
>
> IC-725, 726, 728, 729,   220K Ohms   100K Ohms
> 736, 737(A)
>
>   *********

--
Lee Hiers - AA4GA
Cornelia, GA
mailto:aa4ga@contesting.com

Date: Fri, 2 Jan 1998 20:41:32 -0600 (CST)
From: "Earl W. Murphy" <aa385@gpfn.sk.ca>
To: qrp-l@lehigh.edu
Subject: [34337] N/T FOX (W2MBY) NICE WORK
Message-ID: <Pine.SOL.3.91.980102203335.29419B@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

John...Nice work this evening, I think I got first blood, sure wish I had
started at your age, I can see you will be down on the lower ends of the
bands soon. Nice way to start a New Year. Thanks for the pelt, we're
gonna need them up here, it's getting a little cooler (minus 21 deg. C
right now).

72's....Earl (VE5WF)

Date: Fri, 02 Jan 1998 22:04:51 -0500
From: Jim Dolson <jdolson@iserv.net>
To: qrp-l@lehigh.edu
Subject: [34338] For Sale: Pixie 2 Kit w/Atomic Keyer
Message-ID: <34ADAAD3.7E53@iserv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've got a Pixie 2 kit (80m) and an assembled Embedded Research Atomic Keyer for sale - $20 for the lot (the Pixie 2 kit was $10 and the Atomic keyer was $35 I think). The keyer works but the keyer and power lines are off. I'll toss in two N-size battery holders for the keyer. I can't find the keyer manual, but someone on the list must have one.

Jim Dolson
WB8ZBD
jdolson@iserv.net

Date: Fri, 2 Jan 98 22:19:54 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Subject: [34339] DX Heard: 9V1ZB
Message-ID: <199801030319.WAA46376@nss4.cc.Lehigh.EDU>

Folks,

I heard my first 9V (Singapore) tonight on 30 meters at 2330z. No way 4 watts and a dipole from 12000 miles away could break that pile-up, so I just listened for a bit. Pretty nice 339 signal here to New England. He did work some W9's, 7's and 6's. Naturally, the JA's were all over him.

Anyone else hear, or maybe even work him QRP?

72, and see you all in the MI 'test this weekend.

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: 2 Jan 98 21:59:42
From: "mahlon.r.haunschild" <mahlon.r.haunschild@ac.com>
To: "low power amateur radio discussion" <qrp-l@Lehigh.EDU>
Subject: [34340] Re: morse code at the movies

Message-ID: <9801030408.AA6902@notes2.compuserve.com>
Mime-Version: 1.0
Content-Type: Text/Plain

Ahhh... I actually do remember wy this was so... there was a little known side effect from the CMDF's miniaturization machine; voice transmissions suffered from extreme distortion (serious "Donald Duck-itis", I guess) making CW the only practicable means of communication. Grant was chosen for the mission specifically for his Morse code skills, among other things.

Benes, the man whose life they were trying to save in the movie, had the answers to this and other miniaturization problems... OK, like, we are now WAY off topic! Back to your regularly scheduled mail reflector...

73

Mahlon - N4EEE

wb0poq @ visi.com (Bob Liesenfeld) (Mailed by: wb0poq @ visi.com (Bob Liesenfeld) @ internet)
01/02/98 06:51 PM EST
To: qrp-l@lehigh.edu ("low power amateur radio discussion") @ internet
cc: (bcc: Mahlon R. Haunschild)
Subject: Re: morse code at the movies

Ronald Hands wrote:
>
>
>   Best code I ever heard in a movie was in Fantastic Voyage.
>   And it also had Racquel Welch...
>
  Yes! It even used proper abreviations. I often wondered why with all that super high tech stuff, they did not use SSB or some such....

--
Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Fri, 2 Jan 1998 22:37:32 -0600 (CST)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: QRP-L@fidoii.CC.lehigh.EDU

Subject: [34341] RE: Dayton 1998 QTH
Message-ID: <Pine.SOL.3.94.980102223549.5592A-100000@sunburst>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is the QRP gang staying somewhere in Dayton-South area? I booked into the Econolodge Dayton-South and I hope that is where the action is.
73 Ade W0RSP

Cu a bunch of you tomorrow & Sunday in the MIQRPC Contest. Let's rip!

Date: Fri, 2 Jan 1998 23:39:48 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [34342] Help w/Used Gear Prices
Message-ID: <199801022341_MC2-2DE4-F11C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Need help setting prices for the following used QRP related gear. Both are in excellent condition.

MFJ-931 Artificial Ground. Has manual and original box.

TenTec Model 937 Power Supply. Matches the TenTec ARGO 556 QRP Transceiver. Rated at 7 amps.

Can anyone help with this? Thanks in advance!

72/73,
--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

---

Date: 2 Jan 1998 21:41:22 MDT
From: Lamborn@onlinecol.com
To: qrp-l@lehigh.edu
Subject: [34343] Friday nite fox
Message-ID: <199801030447.XAA66412@nss4.cc.Lehigh.EDU>

John, you were a great fox. Thanks so much for staying on past the bewitching hour and copying my calls. It was exciting to hear you send my call through all the QRM. I did not get much else of your signal. My rig is a KW TS570S at 5W and a DX77 vertical. The QTH is western CO.

As a new QRP operator is my first post to qrp-l. You all are right. Fox hunting brings excitement and improved operator skills.

Thanks again
72/72
de Steve, KI0KY   (QRP-L 1303)

Date: Fri, 2 Jan 1998 23:55:49 -0500
From: "Greg Heath-kb2qqm" <kb2qqm@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@lehigh.edu>
Subject: [34344] Christmas portable-what a blast!
Message-ID: <0dbb44356040318UPIMSSMTPUSR02@email.msn.com>

Hope everyone had a great holiday. thanks to those out there that answered my questions about carrying gel-cells aboard aircraft. No problems at all thru security, even thru O'Hare in Chicago. I packaged up the Norcal Sierra and the Mfj qrp tuner, and a gel-cell and a homemade 40m dipole and radio shack 300 ohm tv twin lead, and away i went. When arriving at the parents house in chicago, there were antenna restrictions in the condo development, but you just cant stop a qrp'er. So instead of grumbling. I set it up inside running north/south. In fact the 66' dipole was a little long for the condo, so i threw about 20 feet of the north end, out the window onto the roof, with a spare half-inch wrench to hold it down in the snow, (K.I.S.S.). The antenna was about 30 feet above the ground outside, but inside,.......you know what i mean.
I thought to myself....."this will never work, no one will hear me,,,,,what

a waste of time".
An indoor antenna, 2 whole watts of power, unforgiveable qrn on 30 and 40m......No Way This Is Going To Work! What the heck.....i will just tuneup and give it a try.
Called CQ......BOOM.!!.....   K1NDV ......Lew in Boston.....559.
unbelievable!!!!!!
W3BFK....W1CW..589   VE3RU..KG0DS..KB2UBO..KA1GEP..and KC8GOJ, of course he was running 4 watts. The log goes on and on. I had so much fun operating portable with the indoor antenna, Im gonna take the qro station apart and put up the qrp rig. I also purchased one of the Whiterook keyers built into the paddle, and what a joy it is. so tiny but so functional (mk-88). This is the best Christmas that I can remember. Working QRP Christmas morning at 2am, eeking out that last contact... I cant wait till next year....."72"   Greg   kb2qqm@msn.com

---

Date: Sat, 03 Jan 1998 00:19:34 EST
From: ori@juno.com (Ori K Mizrahi-Shalom)
To: qrp-l@Lehigh.EDU
Subject: [34345] For Sale: SBL-1 Mixers
Message-ID: <19980102.003146.9927.1.ori@juno.com>

Two weeks ago I found a stock of RF boards with SBL-1 mixers on them.
I thought it would be great for my son Etan to make some profit on his own (and relieve me from some allowance...)
So, Etan will be offering used - and tested - SBL-1 mixers for sale. I'll be
helping him in the beginning, but that's his business!
Here's what he does:

- Parts are removed carefully, one at a time
- Excess solder removed
- Continuity and diodes tested with a multimeter
- Each part is functionally tested as a mixer in a test circuit board (17.5
  and 14.7 MHz oscillators are mixed, low-passed and output frequency
  is measured at 2.8 MHz with a P-P voltage threshold).
- Parts are mounted in conductive foam and shipped in a small box

Since all parts are tested, Etan will also offer selected high-quality mixers

for a nominal fee.
These units are tested (at 25oC) for forward drop of less than 250 mV on
each diode and a spread of less than 3mV between the 4 diodes.
You get better efficiency and balance from these selected parts, beyond
the factory's worst-case specifications.

Prices are as follows (US Funds only):
     1-5 units: $2.00/each
     6 units: $10.00
     10 units: $14.00
Selected Hi-Quality mixers: $2.50/each
Add $4.00 flat rate for shipping in 48 states, $8.00 elsewhere.

(1) Send check or Money Order only to:
     Etan Mizrahi-Shalom
     2841 Burdick Way
     San Jose, CA 95148-2903
    Make checks payable to: Etan Mizrahi-Shalom.
    (Orders with a personal check will be held until check clears).

(2) Attach one page specifying clearly what you are ordering and don't
forget
    your name and address.
    Attach your e-mail address, if you have one.

This is a part-time operation, so late orders may be delayed up to 8
weeks.
For all queries, you can reach Etan at his e-mail address: etan@jps.net

73

ORI AC6AN

I definitely am associated with this operation, although it would have
been
a financial disaster for me to carry out the actual work...

Date: Fri, 02 Jan 1998 23:33:59 -0600
From: Tim Ahrens <tahrens@inetport.com>

To: qrp-l@Lehigh.EDU
Subject: [34346] FS: Index QRP+
Message-ID: <34ADCDC7.DCAC2CA5@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have an Index+ that I'd like to part with..
$400 OBO.

Good condx... 8 on a scale of 10.. no scratches
on front panel, just a couple on top.

Works good.

Thanks,

Tim W5FN

Date: Fri, 2 Jan 1998 23:06:56 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: nq2rp@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34347] Re: Maidenhead Grid Locators Explained
Message-ID: <ciuD+OAQMXr0EwAt@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <19980102.150826.4623.2.nq2rp@juno.com>, B/BAMS Club Station
<nq2rp@juno.com> writes
>A somewhat abbreviated explanation on the Maidenhead Grid Locators...
>
>===
>
>   Maidenhead Grid Locators
>

[deleted]

The RSGB Callbook gives the grid locator for all amateurs in the UK who
are QTHR. They are computed from the postcode, which identifies the
geographical location of the station.

Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk

Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system - schematic and software.

Date: Fri, 2 Jan 1998 23:21:23 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: khamilton@cisnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34348] Re: G4ZPY Paddle Keys
Message-ID: <PSWHyUAzZXr0EwgM@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <01bd17c2$97388580$4290b3cc@khamilton.cisnet.com>, Keith
Hamilton <khamilton@cisnet.com> writes
>Several years ago I purchased a beautiful miniature
>paddle key from G4ZPY Paddle Keys International.
>
>Are they still in business? I need their address so I
>can send away for literature. I think they used to
>advertise in World Radio Magazine.
>
>Thanks to the list for any help you can offer!

The 1998 RSGB Yearbook has a traders' section and G4ZPY Paddle Keys are
listed:

        41 Mill Dam Lane,
        Burscough,
        Ormskirk,
        Lancs. L40 7TG.
        Tel: 01704 894299

73, Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system - schematic and software.

Date: Fri, 2 Jan 1998 23:03:32 +0000

From: Leon Heller <leon@lfheller.demon.co.uk>
To: lbbarley@feist.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34349] Re: I have good news.... and I have bad news...
Message-ID: <YirCuLAEJXr0Ewgf@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <199801022016.OAA04884@wichita.fn.net>, Bruce Barley
<lbbarley@feist.com> writes
>Hello -
>
>In the course of my rummaging thru the 'net, I located a source for every
>obsolete transistor and IC possibly conceived (maybe except for the CK722 &
>CK721's). The source is http://www.mushroom.co.uk
>
>Their complete inventory listing is on line.
>
>Now the bad news, folks...   For those of us here in the colonies (U.S.A.),
>there is a minimum order of $500 - and in addition, no "onesy" , "twosy"
>orders either. Looks like they are strictly marketing to industrial/
>commercial customers. However, there is no $500 minimum order requirement
>for the UK.
>
>Wonder if any of their employees are Hams?
>
>Ah, well. Is there any similar source which WILL sell small quantities to
>hams?
>
>Bruce KB0PZD qrp-l #69
>lbbarley@feist.com
>

You could always request that someone in the UK orders them for you!

73, Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system - schematic and software.

Date: Sat, 3 Jan 1998 01:16:11 -0500
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU

Subject: [34350] K1EL K8 and TiCK PWBs
Message-ID: <85256581.0022152F.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

For all those interested, Steve, K1EL, received his shipment of the PWBs for his K8 Keyer today. This board will also work with TiCK Keyers as well. Checkout

http://members.aol.com/k1el/index.html

And to those to whom it matters, I have no financial involvement in this endeavor. I just designed the PWB.

Watson/WB4EXW

Date: Sat, 03 Jan 1998 02:01:52 EST
From: ori@juno.com (Ori K Mizrahi-Shalom)
To: qrp-l@Lehigh.EDU
Subject: [34351] FOR SALE: SBL-1 Mixers
Message-ID: <19980102.021453.7495.0.ori@juno.com>

Two weeks ago I found a stock of RF boards with SBL-1 mixers on them.
I thought it would be great for my son Etan to make some profit on his own (and relieve me from some allowance...)
So, Etan will be offering used - and tested - SBL-1 mixers for sale.
I'll be helping him in the beginning, but that's his business!
Here's what he does:

- Parts are removed carefully, one at a time.
- Excess solder removed.
- Continuity and diodes tested with a multimeter.
- Each part is functionally tested as a mixer in a test circuit board (17.5 and 14.7 MHz oscillators are mixed, low-passed and output frequency is measured at 2.8 MHz with a P-P voltage threshold).
- Parts are mounted in conductive foam and shipped in a small box.

Since all parts are tested, Etan will also offer selected high-quality mixers for a nominal fee.
These units are tested (at room temp) for a forward drop of less than 250 mV on each diode (at less than 1mA) and a spread of less than

3mV between the four diodes.
You get better efficiency and balance from these selected parts, beyond
the factory's worst-case specifications.

Prices are as follows (US Funds only):
     1-5 units: $2.00/each
     6   units: $10.00
     12 units: $17.00
Selected High-Quality mixers: $2.50/each
Add $4.00 flat rate for shipping in 48 states, $8.00 elsewhere.

(1) Send check or Money Order only to:
     Etan Mizrahi-Shalom
     2841 Burdick Way
     San Jose, CA 95148-2903
    Make checks payable to: Etan Mizrahi-Shalom.
    (Orders with a personal check will be held until check clears).

(2) Attach one page specifying clearly what you are ordering and
    don't forget the name and address.
    Attach your e-mail address, if you have one.

This is a part-time operation, so late orders may be delayed up
to 8 weeks.
For all queries, you can reach Etan at his e-mail address:
     etan@jps.net

73

ORI AC6AN

I definitely am associated with this operation, although it would have
been a financial disaster for me to carry out the actual work...

Date: Sat, 3 Jan 1998 06:03:24 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: msebrakr@telepath.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [34352] Re: SBL-1
Message-ID: <BoxkMBAsSdr0Ewjg@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <3.0.1.16.19980102175450.3f370828@telepath.com>, Roger Braker
<msebrakr@telepath.com> writes
>Hi All,
>With all the talk about passive mixers like the SBL-1, what is wrong with
>active mixers like the NE602. Do they(active mixers) have a high noise
>figureJust wondering.

The main problem with the NE602 is that it has poor strong signal
handling performance, compared with diode mixers.

Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system - schematic and software.

Date: Sat, 3 Jan 1998 03:04:04 -0500 (EST)
From: Scott Bauer <ke3nv@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [34353] W3CV's Fox log 2/JAN/98
Message-ID: <199801030804.DAA13203@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

 Well folks,

 Here is what I came up with. If I have made any mistakes,
please forgive me. I will correct them before sending it
to Chuck

Time	Call	You	Me	State	Name	QRP-L Number
0200	W5FN	559	559	TX	Tim	586
0201	K5ID	559	559	AR	Ken	652
0204	KA8OKH	559	559	KY	Rich	933
0205	W5HNS	559	559	TX	Henry	178
0206	AB5UA	559	559	OK	Clif	478
0207	W0CH	559	579	MO	Dave	618
0208	N5JI	559	559	TX	Dick	1054
0210	NQ7X	559	569	AZ	Floyd	343

0211	K5ZTY	559	559	TX	Bill	473
0212	N5LU	559	559	OK	Bill	5w
0213	K5JHP	559	559	TX	Bill	825
0213	K5VUU	559	559	TX	Ed	1343
0215	K1OJ	579	569	TX	"OJ"	732
0216	N0TFI	559	559	CO	Jess	1232
0217	AA5TA	559	339	TX	Larry	1245
0219	K1MG	559	449	CA	Mike	614
0221	K5FO	559	559	TX	Chuck	1
0222	VE5RC	559	349	SK	Bruce	886
0227	W4YNG	559	559	AL	Hal	1358
0228	KI0II	559	559	CO	Ron	928
0232	W5JAY	559	559	AR	JAY	1201
0233	K5UP	559	559	OK	Glen	21
0234	W7QQQ	559	559	AZ	Jack	1210
0235	K5GQ	559	459	TX	Mark	794
0236	VE5WF	559	559	SK	Earl	1076
0240	W6ZH	559	559	CA	Pete	257
0241	AB7TT	559	529	AZ	Joe	191
0242	N7IR	579	559	AZ	Gary	1330
0243	K6VNX	559	449	CA	Arlen	5w
0245	KU7Y	559	449	NV	Ron	17
0246	K5ON	559	559	NM	Gary	770
0247	K5OI	NO	REPORT	HEARD		
0250	WO0Q	559	569	CO	Marty	793
0253	KI7MN	559	559	AZ	Bob	271
0255	W6BAB	559	559	CA	Sandy??	5w
0303	K4PYM	559	559	SC	Geo	710
0304	N7XJW	559	559	AZ	Bertie	1259
0305	K0SU	559	339	CO	Rick	539
0307	WB4EXW	559	339	NC	Watson	5w
0310	N7TR	559	339	CO		
0315	N1TP	579	579	FL	Tom	1317
0316	W5SB	559	559	TX	Bill	1279
0317	N6XU	559	559	CA	Stan	66
0322	K5OI	NO	REPORT	HEARD		
0324	N6MM	559	569	CA	Harvey	318
0327	AB7MY	559	559	AZ	Gary	571
0329	KK5NA	559	559	TX	Joe	86
0333	W6SU	559	559	CA	John	48
0334	W5QJM/QRP	559	559	TX	Fred	5w
0337	N7GS	559	559	MT	Mal	815
0339	AB0GO	559	239	CO	Dave	785
0341	N6WG	559	529	CA	BOB	26
0348	AC6LA	559	559	CA	Dan	515
0349	WE6W	559	539	CA	Ed	1068
0350	W03B	559	549	CA	Bob	195

0350-0400 Called CQ with no luck.

 Thanks for all of the fun. I hope to do it again next
year.
 Happy hunting!!
 72, Scott w3cv

Date: Sat, 3 Jan 1998 08:20:03 GMT
From: David Ackrill <g0dja@zetnet.co.uk>
To: qrp-l@Lehigh.EDU
Subject: [34354] Working Weak Signals
Message-ID: <19980103082003832 90@zetnet.co.uk>

Quick point, if you are expecting UK stations to be using /QRP at the
end of their callsigns, then you will miss out on 99% of the QRP
operators over here!

Due to our licence conditions, the only suffix allowed are:-

/M - Mobile (includes walking around)
/P - Alternative Location (i.e., not at the listed address)
/MM - On a boat or ship

Nothing else is listed so, due to the way the regulations work over
here, nothing else is 'legal'.

You may find some people using /QRP, and they are unlikely to be
prosecuted just for doing this, but the majority of us will comply
with our licence and will not send /QRP even if the station we are
working *insists* on adding it! (BTW - what happens to the validity
of the QSO for an award if someone incorrectly adds something to the
callsign that wasn't sent by the originator? Including the ones who
QSL to G0DJA/QRP even when that wasn't what I sent <Grrr!> ?)

<Rant mode off>

Cheers and Happy New Year.

72 de Dave

Oh, and I spotted at least four people sending HTML file attachments
to the list, what does this do to your byte count Chuck?

Date: Sat, 3 Jan 1998 08:53:57 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: Joel Malman <malman@BBN.COM>
Cc: qrp-l <qrp-l@Lehigh.EDU>
Subject: [34355] Re: DX Heard: 9V1ZB
Message-ID: <Pine.LNX.3.95.980103085029.7411D-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I heard him too, dudes & dudettes, from the car at what appeared to be
about an S5 for a short time. I even called twice - once at 3w, once at
35w, with no success either time. I swear some guys must've been running
many kW, but of course the legal limit in the US is 200w, so I'm sure
that's all they were running.

At any rate, it was pretty cool hearing a station, and thinking it'd be a
JA at best, maybe even someone stateside, and hearing "9V."

And next time, I WILL snag him (ya gotta believe)!

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

On Fri, 2 Jan 1998, Joel Malman wrote:

> Folks,
>
> I heard my first 9V (Singapore) tonight on 30 meters at 2330z. No way 4
> watts and a dipole from 12000 miles away could break that pile-up, so I
> just listened for a bit.. Pretty nice 339 signal here to New England. He
> did work some W9's, 7's and 6's. Naturally, the JA's were all over him.
>
> Anyone else hear, or maybe even work him QRP?
>
> 72, and see you all in the MI 'test this weekend.
>
> /joel   wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)
>

Date: Sat, 03 Jan 1998 08:31:14 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [34356] Re: Working Weak Signals
Message-ID: <34AE3DA2.2F99@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

None of last 100 QRP UK stations I worked signed
/QRP, though I've only been keeping track of such
things recently --Zack W1VT

Date: Sat, 3 Jan 1998 08:30:49 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [34357] Weak Station work
Message-ID: <Pine.SUN.3.91.980103080915.15384A-100000@crl9.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

So you really want to work them in the MUD. There are many reasons a station is in the mud: 1) Poor antennas, faulty equipment 2) propagation conditions and 3) QRP operation.

Item 1 may exist at both the transmitting and/or receiving station. Item 2 is not something you can do a lot about, but there are a lot of tools on the web and the bands to help you out on evualation of the conditions. Beacons are legal on 20 meters and up. The NCDXF/IARU has quite a system to monitor conditions with power levels down to 0.1 watt.

Check out the following web sites:

http://www.ncdxf.org/beacon.htm
http://www.mutadv.com/kawin

Now if you can hear the 0.1 watt beacons chances are very good for your working some really low power stations. Remember all qrp stations do not list themselves as /qrp and may DX stations run 10 to 50 watts and do not consider themselves qrp operation.

Ham radio is a very individual hobby, much like golf you are really

playing against yourself. Who really cares if you worked xxx33abc with 0.001 watts? Only yourself. Do you really care if xab54er worked fd99we ? Be truthfull you only really care what is in your log book. So what will you do this weekend ? Create a contest for yourself. Can I work 48 states in 24 hours with 100 watts, OK did that last weekend, can I do it with 10 watts this weekend, etc. i.e. can I work 100 dxcc countries this weekend. Or if i call only weak stations can I work 25 stations running less than 5 watts this Sunday. After a while it gets to be a lot of fun.

OK.... So we really want to work mud stations.. How do I do it..

First check the beacon propagation on the higher bands, listen to WWV on 10 mhz and maybe listen for the letter beacons around 7040. Now you have an idea of the conditions. Turn the AGC -OFF- yes OFF, widen up the bandpass filters and go hunting. Only call S0 stations, make sure your equipment is correctly tuned and you are calling stations in the current propagation path. A few station outside of the path could be a KW but just in the wrong direction, etc..

Set a goal- I will work x stations tonite with signal levels below "X" S units.

Everyweek can become a contest. Sometimes I go looking for special event stations, or go up on the county hunters net and see how many mobile stations I can work, they never ask if I am qrp, etc.. Just need for the net control station to hear you well to have a lot of fun.

What is a QSO ?????? I set the minimum as exchange of RST and call signs. Yes a lot of people think they worked someone and then go around asking what was his call letters. If you are working non-dx the RST will be other than 599... :-)

Have fun, remember you are working against yourself.. better last weeks score..

73, enjoy the fun and watch the DX stations grow in your log book.

de stan AK0B

Date: Sat, 3 Jan 1998 11:19:00 -0500 (EST)
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
To: Terres Family <terresfm@ncia.net>
Cc: qrp forum <qrp-l@Lehigh.EDU>
Subject: [34358] Getting ftp files thru a browser
Message-ID: <Pine.BSI.3.96.980103110807.8017A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 3 Jan 1998, Terres Family wrote: [about my telling how to get my HW-8 core files from ftp.lehigh.edu]

> > Download the file with the .z on the end and you will be
> > responsible for decompressing it yourself on your own machine. If you
> > download it without the .z, it will decompress it and then spit it out,
> > and you'll be able to read the text
>
> How do you download it without the ".Z" ?
>
> Maybe you can help, when I try to access these files via netscape
> navigator there seems to be no option to download without the .Z
>
> Thanks, Jerry AA1OF

Whoops...forgot about that! I usually do all my ftp work from a dial up shell account, not with a browser. I do remember having this problem when trying ftp under my other account with a browser. I loaded it up just now, with Netscape, and went to ftp://ftp.lehigh.edu, worked my way down thru the directories to pub, listserv, qrp-l, articles. In addition to a list of the file (complete with the .z on theend), there is another file called index.html, which I hadn't seen before or had ignored. When you click on that one, it gives a list of the files that you can download--the files are all the same as the main index, but when you click on one of them under index.html it spits the decompressed text back at you and you can read it online or save it to disk, using the File/save-As function.

73 and Queue Our Pea DE WA8MCQ   wa8mcq@abs.net

Date: Sat, 3 Jan 1998 10:12:49 EST
From: ARDUJENSKI <ARDUJENSKI@aol.com>
To: n2mnn@spacegate.com, qrp-l@Lehigh.EDU
Subject: [34359] FOX TASTES GOOD!
Message-ID: <b66aa4db.34ae5573@aol.com>
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

John,
You were putting out a readable signal the whole time here in WWA. You were a good 339 most of the nite. Thanks for the call back. It was nice being on the "nipping" end of the hunt. I learnd a trick from KEN (VE3ELA) of waiting till the end and pounce. Sounded like you were busy. Heard most of the HOUNDS out here on the left coast, too. SUPER JOB!

Alan KB7MBI

Date: Sat, 03 Jan 1998 11:21:50 -0800
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-l@Lehigh.EDU
Subject: [34360] Pixie/49er Logs- Send them in!
Message-ID: <34AE8FCE.8F75FD16@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK Gang,
Once again you've proven you like a challenge! (Like operating QRP regularly isnt!) Everyone that participated - even with a couple of contacts of ANY type (!) are very welcome and much wanted. Please send them in any form (I'll do the math) and e-mail is just fine with me. I would like to put together a complete picture of the contest and I need YOUR data to do it. Even if you feel you don't have a chance of winning anything, I would love to get your logs. You may be suprised! Like Ed sez," you can't win if you don't enter!"

Again, the Knights say "thanks for participating!" Looks like everyone had fun. Sorry for the blunders in managing the contest. Next time will be better!
--
73, Randy WJ4P
Knightlites QRP-L #296

Date: Sat, 03 Jan 1998 11:00:48 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: qrp-l@Lehigh.EDU

Subject: [34361] Correction to Tuthill '98 dates
Message-ID: <34AE1A60.7607D25C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I goofed by not checking the dates the organizers gave me against a calendar.

The REAL dates are July 24, 25 and 26, 1998. sri for the error, and thanks to Chuck K5FO for catching it.
--
72/73, de Roger, N7KT

Date: Sat, 03 Jan 1998 10:40:43 -0500
From: W2MY & W2MBY <n2mnn@spacegate.com>
To: QRP-L@Lehigh.EDU
Subject: [34362] FOX: N/T Fox Report for W2MBY
Message-ID: <34AE5BFB.189F@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

This time I really had fun. It was the first time that I had wall to wall contacts. I hardly had to CQ. I think 24 contacts is a record for me. Conditions were about the same but the DSP filter made the difference. Without it, I probably would have only gotten half the contacts. With the use of the DSP I needed to use a new RST of 119. These contacts were unreadable without the DSP filter. Anyone who received a 119 was really in the mud. So instead of spending all my time CQ'ing, I spent it digging out the weak signals. First time I heard multiple signals on the same frequency. But they were all weak so I had to ask for many repeats. So we all worked for these contacts.

I worked a lot of new ones. They will get a QSL card. Also worked old timer N/T Fox, Alan, and N/T Fox-to-be, Dan, N8VZU, plus others that my Dad says are distinguished QRPers.

Equipment was a TS-850 with 270 Hz filter, MFJ DSP, 40M vert loop, at 5 Watts, from Northern New Jersey.

This is the first notice that I will be on next Friday night, same time and place.

TIME	CALL	SNT	RCD	NAME	ST
00:03	VE5WF	219	229	EARL	SK
00:09	N1TP	329	529	TOM	FL
00:15	KA5T	219	339	LARRY	TX
00:19	N6MM	219	339	HARVEY	CA
00:24	KE0WW	229	339	MIKE	MN
00:30	K9LJB	219	339	ROGER	IL
00:35	K0EVZ	339	549	DOC	MN
00:42	AB0GO	119	339	DAVE	CO
00:48	WA9PWP	579	579	PAUL	WI
00:53	KU7Y	339	339	RON	NV
00:57	N8VZU	229	449	DAN	OH
01:06	K6VNX	229	449	ARLEN	CA
01:10	K8FF	559	589	WAYNE	OH
01:13	AB7TT	229	559	JOE	AZ
01:20	W5JAY	229	559	JAY	AR
01:25	N2WF	569	569	BILL	NJ
01:30	N4ROA	439	449	DAN	VA
01:33	WB4EXW	559	559	WATSON	NC
01:38	WB0ROQ	219	559	HARLEY	MO
01:42	NQ7X	219	449	FLOYD	AZ
01:50	NI0A	119	?49	JOHN	MN
01:58	AB7ST	439	449	BOB	UT
02:03	KB7MBI	329	339	ALAN	WA
02:06	KI0KY	219	239	STEVE	CO

72,

John, W2MBY
age: 11

Date: Sat, 3 Jan 1998 11:08:09 -0500 (EST)
From: "Leonard J. Barish" <barish@kutztown.edu>
To: qrp-l@Lehigh.EDU
Subject: [34363] Filter fix for NW80/20
Message-ID: <Pine.SOL.3.91.980103110130.822A-100000@atlantic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Two weeks ago I asked for help on a problem with my NW880/20 purchased from Dan.I installed the active filter option (at unity gain) and it did a nice job of filtering. Problem was, when I keyed the rig the amplitude of the sidetone "knocked the wax outta my ears." This,however, doesn't happen

when the filter is switched out of the circuit.

Several of you were kind enough to respond with suggestions or sympathetic "my problem too" but it is Bob Hodgins KS4HQ who figured out the solution. Bob pulled out his copy of the schematic and noticed an impedence miss-match between the receiver circuit and the filter when the transmitter is keyed. His solution was to insert a 10K to 20k filter between the filter's input and its ground.

I tried this last night first with 20k, and found even better results with 12k. This morning I made a few QSO's but found that if I had the gain up all the way (like you would with the filter in the circuit) the sidetone would still be too loud. So...back to the bench.

I just finished inserting a 5.6k resistor between the filters input and its ground. I simply drilled one new hole next to the input pad and one next to the ground and used the 5.6k resister as kind of a jumper. This made it easy to solder the resistor's leads to the already existing pads. It works great, you cannot tell a difference in the sidetone's amplitude when you switch in the filter. Thanks Bob for your diagnostic skill. And thanks to all of you who posted suggestions.

Happy New Year to all,

Len

****
Len Barish N2BSC ITVA
Department of Telecommunications ARRL
Kutztown University DLARC
Kutztown, PA 19530 NORCAL
Phone (610) 683-4490 Norcal 40A
FAX (610) 683-4659 NW 8020

If the whole world is a stage, I want better lighting.
****

Date: Sat, 3 Jan 1998 13:15:13 -0500
From: Dan Dobson <ddobson@iei.net>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [34364] FS LDG AT-11 Tuner
Message-ID: <01BD1849.B8306320@dip07.nas1.iei.net>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks for all the replies! The tuner has found a new home.

Dan KG9KF

Date: Sat, 03 Jan 1998 20:50:55 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [34365] Is the band noisy or is it local?
Message-ID: <34ae342f.pandora@pandora.lugs.org.sg>

Hi,

    I am wondering if the bands have been pretty noisy lately, or if someone local has a bad sodium lamp nearby. I've noticed that while propagation has been average, the QRN seems to be on the high side, or what seems to me to be QRN. Can anyone confirm or set me right on this? Thanks.

73 de 9V1ZV Daniel
--

+------------+--------------------------------+
Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	
QRP-L #667	9V1ZV@amsat.org
+------------+--------------------------------+

Date: Sat, 03 Jan 1998 13:36:26 -0800
From: astone@erols.com
To: qrp-l@Lehigh.EDU
Subject: [34366] Request Data on IN4004 as a Tuning Diode
Message-ID: <34AEAF5A.366F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi -- Has anyone measured the capacaitance versus reverse voltage characteristic of a 1N4004? I'd like to receive specific data so I can get a sense of it's nonlinearity as well as it's capacaitance range relative to "real" tuning diodes. Also, would appreciate any insights as to variability in characteristics across different 1N4004s. Thanks.

72,

Ron (KA3J)
Bethesda, MD

Date: Sat, 03 Jan 1998 10:18:21 -0500
From: Herb Watson <watson@snet.net>
To: QRP-L Discussion Group <qrp-l@Lehigh.EDU>
Subject: [34367] The Q of Toko inductors at audio frequencies?
Message-ID: <34AE56BC.343C056D@snet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've got my 40 meter 2N2222 receiver just about done and I'd like to try putting a passive band-pass audio filter in it, similar to the one on page 79 in Solid State Design. I'd like to use type 10RB Toko inductors, like KK7B uses in the low-pass audio filters for his High Performance DC receivers. To get the bandwidth I want, I'll probably be using the 120mH ones.

My question is: Does anyone know what the unloaded Q of these little gems are at audio frequencies, specifically 700-800 Hz? I need to know this to get my filter terminated properly. The Digi-Key catalog says at 50 KHz the Q is 100.

I know how to measure the Q of a coil at RF frequencies with a dip meter and a RF probe. Is there an equally simple way to measure the Qu of an inductor at audio frequencies?

B.T.W., I'm very happy with the way the receiver is coming out. Counting the VFO, it has 12 PN2222A or 2N2222A transistors, a diode-ring mixer, a diode-ring product detector, 18 coils, and an audio transformer. It seems as sensitive as my big rig and has plenty of audio to drive a 3 inch - 8 ohm speaker. It's no contest winner; but being a greenkeeper, not an engineer, I'm pleased with it so far.

72 and Thanks!

Herb Watson - AA1IY
181 Hudson St
Berlin, CT 06037
watson@snet.net

Date: Sat, 03 Jan 1998 11:36:04 EST
From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [34368] L/C II-B
Message-ID: <19980103.083437.8327.0.sigcom@juno.com>

Group,

I received my L/C II-B kit from AADE yesterday (Fri.) and assembled it last night. It took about 90 minutes to assemble and worked perfectly first try. I did spend about 45 minutes additional making one mod. The unit works exactly as advertised and I'm pleased. Thanks Neil.

If anyone is interested, I can post a more detailed evaluation.

Usual disclaimer applies.

73.......Steve, WB6TNL

Date: Sat, 03 Jan 1998 13:48:02 -0800
From: astone@erols.com
To: qrp-l@Lehigh.EDU
Subject: [34369] Minimum versus Typical Characteristics for ICs
Message-ID: <34AEB212.68FC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok -- here's another question for today (I think two is my limit). Does anyone have an idea of what type of sampling, if any, is associated with deriving the minimum and typical characteristics of ICs? Is the minimum spec. nearly absolute -- i.e., 99.99% (or some other percent) of all devices will meet or exceed the particular spec? Is typical the mean value of a sample? Or, looking at it from the practical standpoint, if one designs using the typical spec., how often will that value not be met or exceeded? Of course, I realize if one wants to be really prudent, one should design for worst case (i.e., use the minimum spec.) but sometimes there may be justification not to if one can tolerate a certain failure rate or measure each individual device. What do you all think? Thanks for your help.

72,

Ron (KA3J)
Bethesda, MD

Date: Sat, 03 Jan 1998 19:20:36 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@Lehigh.EDU
Subject: [34370] Re: Argo 556
Message-ID: <34ae8f34.785148@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

My Argo 556 has found a new home. Thanks for the replies.=20

  _   _   _   _ =20
 / \ / \ / \ / \   John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN http://www.qsl.net/n4js
 _/ _/ _/ _/   NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
  G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Sat, 3 Jan 1998 06:34:03 -0600
From: k5gq@juno.com (C M Tyler)
To: qrp-l@Lehigh.EDU
Subject: [34371] Re: Invasion of 10M
Message-ID: <19980103.132921.3414.25.k5gq@juno.com>

--------- Begin forwarded message ----------
From: davidlatchaw@juno.com (David H Latchaw)
To: k5gq@juno.com
Subject: Re: Invasion of 10M
Date: Thu, 01 Jan 1998 00:52:59 EST
Message-ID: <19980101.000644.10143.0.DavidLatchaw@juno.com>
References: <19971230.233930.3822.20.k5gq@juno.com>

Mark,

When I was attending college in Stillwater, OK one of these bootleggers
was interfering with the HF operations of one of the other hams in the

W5YJ radio club. Nearest FCC office was in Tulsa. Suggestions discussed included:

(1) Drive a straight pin into coax to short from braid to center conductor

     Collateral damage almost always includes the destruction of the final
     transistors. Finding the pin involves a TDR setup, usually beyond
     the comprehension of the Good Buddy.

(2) (My favorite) Buy a couple of cheap 27MHz "toy" walkie talkies.
     Buy the best battery you can afford.
     Tie-wrap the PTT button in the XMIT position.
     Toss it onto his roof.
     The 100mW local signal a few feet under his antenna will de-sense HIS
     radio, and he will go QRT until he can fix his FlipFlop.
     When Good Buddy returns to the air, repeat with second walkie talkie.

     Note: if Good Buddy finds HT on roof and discards in garbage, retrieve
     HT and repeat from "Buy the best battery..." step.

(3) Use high powered rifle to disable feed point of antenna

     This is best done on New Year Eve, when you can use the excuse of
     "celebratory discharge of firearms" when the sheriff comes calling.

                    Happy New Year, 10-4? (BANG!)   dhl
--------- End forwarded message ----------

Date: Sat, 3 Jan 98 11:34:39 -0000
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [34372] Second Reminder for the JANUARY SPARTAN SPRINT
Message-ID: <199801031930.LAA02096@guppy.pond.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The January Spartan Sprint will be held on January 5 (which is our standard
date--the first monday of the month). We will be operating on two bands--80

and 40. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM
EST, 10:00 CST, 9:00 MST and 8:00 PST.

2. The frequencies will be 3560+- Khz and 7040+- KHz. (You may operate one or two bands--your choice.)

3. Exchange RST, SPC (state, province or country) and power output.

4. If you choose to call CQ, use the format "CQ SP".

5. You can take credit for working the same station on a second band.

After the contest, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the
transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

As an alternative, you can use our automated Spartan Sprint report at the ARS web site. Just fill in a few boxes, click the "submit" button, and you're done! You can get directly to the report page with this URL: http://www.natworld.com/ars/events/spartan/submit_spartan.html. Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at http://www.natworld.com/ars.

****

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a
portable environment--lightweight transceiver, keyer, key, and battery. Then
put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your
participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points

per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just
send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is nu6SN@aol.com. Membership is free, and
the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Sat, 3 Jan 1998 14:56:47 -0500
From: n1wcc@juno.com (russel a hillman)
To: qrp-l@Lehigh.EDU
Subject: [34373] 38s enclosures??
Message-ID: <19980103.145648.16294.2.N1WCC@juno.com>

Hi all
Just recieved my box of parts from Mouser yesterday to finish the 38s and was wondering..
does anyone know if the 38s enclosures have shipped yet,and are they going ups or regular mail.Now if i can upgrade to general i'll actually be able to use it..Hi Hi or is it Ho Ho.....

72's,73's
Arol N1WCC

Date: Sat, 03 Jan 1998 14:19:18 -0600
From: "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34374] Re: Minimum versus Typical Characteristics for ICs
Message-ID: <34AE9D45.AFD067D9@iname.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

   Designing for a produceable product you must use only use the Min.

and Max., worst case, guaranteed parameters if you expect to get
reasonable yields on the production line. Typical ratings are of little
use IMHO.
 72
--
Roger B. Whitaker   K9LJB

"Madness takes its toll. Please have exact change."

Home page: http://www.cityscape.net/~whitaker/

Date: Tue, 23 Dec 1997 11:14:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: mgipe@reliablemeters.com
Cc: qrp-l@Lehigh.EDU
Subject: [34375] Re: K1MG's calculations: mi/watt
Message-ID: <M2357043.002.86u81.1.980103204208Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Mike:

I think you overlooked one very important thing in your analysis.

I used to work on a TVI team when I lived in Iowa, and one thing we discovered
was that every rig we would check leaked like a sieve. Manufacturer didn't
matter.

In your analysis, it would be interesting to remove the antenna connector and
seal the opening with a plate. Install the dummy load inside the housing. Then
run the test again. I think you would find the case is nowhere near being rf
tight. How much leakage there would be and how it would affect the
calculations, I don't know. Probably enough to seriously degrade your "6000
million miles per watt" to only 3000 million miles per watt. :-)

72 and Happy New Year,
Bob N6WG and Ol' Kenwood

Date: Sat, 3 Jan 1998 12:00:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: csmith@ionet.net, qrp-l@Lehigh.EDU

Subject: [34376] Re: How low can you go?
Message-ID: <M2357047.006.86u85.1.980103204209Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Chuck:

I would expect a vertical antenna system raised well up in the air to do better than one at ground level, in a typical residential neighborhood.

My reasons are not particularly technical, but go like this.

At height, you use a few radials, however many you feel like putting up. The entire antenna system is up above the obstructions of a typical residential neighborhood. Where I live, the houses all have aluminum siding, so a ground mounted vertical would be surrounded by aluminum boxes! Wooden homes still have house wiring, insulation that may have an aluminum foil backing, plumbing, heating ducts, etc. Older homes with plaster surfaces may well have chicken wire as a web to hold the plaster in place.

If you are out in open country with no nearby obstructions, a ground mounted vertical might be reasonable. Then it's just a question of how much effort you want to put into a radial system.

Anyway, just my humble (?) opinion.

72 and Happy New Year,
Bob N6WG

Date: Tue, 23 Dec 1997 12:10:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: daniel@pandora.lugs.org.sg, qrp-l@Lehigh.EDU
Subject: [34377] Re: 1/2-wave dipole --- 50ohm feed
Message-ID: <M2357044.003.86u82.1.980103204208Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Daniel:

Don't let the "75 ohms" dipole impedance fool you. That is an ideal taken from free space, and certain heights above ground.

The first thing you need to establish is "What is the actual feedpoint impedance where you want the antenna to hang?" Once you know this, then you can worry about matching the antenna to the line.

You can reduce the center feedpoint impedance to 50 ohms by several means--

lowering the dipole to .166 wavelength above ground, a good ground, that is. For poor ground, you might have to go lower.

Another approach is to turn the dipole into an inverted vee. As the included angle becomes less than 180 degrees, but greater than 90 degrees, you will find a 50 ohm impedance point.

Another approach is to create a very fat dipole, either with a cage structure or widely spaced parallel wires. This will lower the feedpoint impedance also, but I'm not sure how far. There are formulae to describe this, but I couldn't find one in a quick scan of the ARRL Antenna Book. It could be modeled with EZNEC and the impedance found this way.

If your antenna really is 72-75 ohms when in place, you could use the 1/12 wavelength feedline transformer approach. For an antenna Z of 72 ohms and a feeder of 50 ohms, connect a 1/12 wavelength 50-ohm line to the antenna, then a 1/12 wavelength 72-ohm line to the 50-ohm line. Now connect your 50-ohm line to the 72-ohm line and run it to the shack. It looks like this:

  ANT-->1/12 wl @ 50 ohms-->1/12 wl @ 72 ohms-->50 ohms line to shack.

Remember to account for the velocity factor when measuring and cutting the coax sections.

As a last resort, you could accept the 1.5:1 SWR and live with it. Many hams do and get along just fine.

I hope this gives you some ideas, Daniel.

72 and Happy New Year,
Bob N6WG

Date: Sat, 03 Jan 1998 14:36:24 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: sigcom@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34378] Re: L/C II-B
Message-ID: <34AEA148.A8ACBD6A@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please do!

Thanks.

> If anyone is interested, I can post a more detailed evaluation.
>
> Usual disclaimer applies.
>
> 73.......Steve, WB6TNL

--
73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Sat, 3 Jan 1998 16:10:37 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [34379] MFJ #493 Memory Keyer
Message-ID: <301fe8f7.34aea950@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Happy New Year Everyone..!!!

Is anyone out there using the #493 MFJ memory keyer and if so can I power up this keyer with my Astron RM-35 power supply? The literaure that came with the keyer says that it requires 12vdc. Of course the Astron puts out 13.8vdc. The unit ships with a power plug with a two-wire cable with bare ends. I assume that it can be connected to a power supply - but is 13.8vdc too much? MFJ sells an AC-DC power unit for the keyer for $15.00 and it is rated at 12vdc/500ma. This may be the safe way to go.

Any suggestions?

Thanks in advance..

Denny - KF6NJQ
QRP-L #1359

Date: Sat, 03 Jan 1998 12:39:04 +0000

From: Ken Lopez <kjlopez@earthlink.net>
To: QRP-l <QRP-l@Lehigh.EDU>
Subject: [34380] FOR SALE: CASCADE & SIERRA
Message-ID: <34AE3172.4BAB@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings and a Prosperous New Year to all!

I have decided to make room in the shack as a New Year's Resolution:

Wilderness Sierra- , KC-2 keyer & digital display, Buzznot, ABX on front panel,and six (6) band modules (40M, 20M, 30M, 17M, 15M, 12M) Only 40M and 20M are built, you get the pleasure of assembling the rest! This is the current version, with the latest updates. Very little use. All of this,Expertly built, aligned, and working great for only $495.00+ shipping.

Norcal Cascade- Only 200 of these were kitted. 80M/20M SSB. This one is still in the box, unassembled. This may be your last chance to owne one of these! $225.00 + Shipping.

If you are interested, either reply by Email, or call 818-541-0712

Cheers,
Ken, N6TZV

Date: Sat, 03 Jan 1998 13:16:41 +0000
From: Ken Lopez <kjlopez@earthlink.net>
To: QRP-l <QRP-l@Lehigh.EDU>
Subject: [34381] For Sale: Books
Message-ID: <34AE3A4A.51DB@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings:

My shelves are overflowing with technical books and amateur radio books. I have some duplicates which I would like to sell as a package only:

W1FB's QRP Notebook,

1997 ARRL Handbook with software,
W1FB's Antenna Notebook,
Packet Radio Operator's Manual (ARRL)
ARRL Antenna Handbook, 17th Ed (Almost Identical to 18th Ed)
RSGB Radio Communication Handbook,
RSGB VHF/UHF Manual
Solid State QRP Projects by Ed Noll
Low Profile Amateur Radio ARRL
History of QRP-Ade Weiss
Semiconductor Amateur Projects-W5REZ
Shortwave Propagation Handbook-Jacobs & Cohen

All of the above for $100.00 plus shipping. Book rate is pretty cheap!

If you need an instant library, let me know.

Cheers,
Ken, N6TZV
818-541-0712

Date: Sat, 03 Jan 1998 16:23:55 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: DENNISMO@aol.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34382] Re: MFJ #493 Memory Keyer
Message-ID: <3.0.1.32.19980103162355.00c75f4c@mail.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:10 PM 1/3/98 EST, DENNIS MO wrote:
>Happy New Year Everyone..!!!
>
>Is anyone out there using the #493 MFJ memory keyer and if so can I
power up
>this keyer with my Astron RM-35 power supply? The literaure that came
with
>the keyer says that it requires 12vdc. Of course the Astron puts out
13.8vdc.

Close enough for government (and QRP work). And it shouldn't send any
faster
because of the higher voltage!

73   Hank   K8DD

*/   Hank Kohl K8DD   k8dd@contesting.com
*/   ARRL TS   (k8dd@tir.com)
*/   MI-QRP - Vice Pres. QRP-ARCI - Director
*/   G-QRP   ARRL/LM   QCWA/LM   QCAO/LM

Date: Sat, 03 Jan 1998 23:11:52 +0200 (EET)
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
To: qrp-l@Lehigh.EDU
Subject: [34383] Piezo element for TiCK?
Message-ID: <01IRYIG8DWOC8Y6D84@vyh21.vyh.fi>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

I have a problem with the sidetone o/p from my TiCK keyer.

The sidetone o/p stays high (+5V) in between character elements during TX keying. In command mode this is not the case, but the quiescent level is 0V instead.

When mixing the attenuated keyer tone into the audio circuit of the rig, the DC level changes cause a very annoying clicking and a momentary large disturbance of the DC bias of the audio amp (hence a nasty momentary distortion).

If instead I use a piezo beeper, it will emit a continuous tone which is modulated with the 620 Hz during key down. Not very nice...

The only way out of this seems to be a piezo transducer that doesn't beep of its own. However, these commonly have resonant frequencies of several kHz and will not have much output at 620 Hz.

Obviously there must be some kind of transducer that will output an clearly audible signal at 620 Hz, but what type would that be? Where to find such a special critter at a total cost not multiplying the admittedly moderate cost of the keyer IC and PCB several times? (I bought my TiCK IC's last summer.)

I wonder if this is about making a seemingly simple thing pretty darn difficult? The fact that in command mode there is no 5V level in between character elements (heard it and seen it on a 'scope) would prove that at least that can be done. If furthermore the tone o/p

would go high impedance instead of to either 0 or 5 V between elements
the tone could be mixed with the rig's audio. Then no piezo beeping,
which would very clearly contribute to the peace in this family.

BTW, one of the considerations in me learning CW was to not having to
talk out loud at night and whenever else. A nasty beeping sound for
keyer commands is a no, no really.

How have you interfaced your TiCK to your rig? I'd like to know,
because I'm in a fix here.

tnx es 73, oh2zaz
Arjen Raateland
--... ...-- -.. . --- .... ..--- --.. .- --..
Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax +358 9 4030 0490
.-.-. -.-

Date: Sat, 03 Jan 1998 14:11:03 +0000
From: Ken Lopez <kjlopez@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34384] Re: For Sale: Books
Message-ID: <34AE4710.4017@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The book collection has been spoken for.

Cheers,
Ken N6TZV

Date: Sat, 3 Jan 1998 17:28:35 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: "QRP-l" <qrp-l@Lehigh.EDU>
Subject: [34385] IC-730 qrp mod
Message-ID: <003a01bd189f$7003b600$bec0bfce@aplitech>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need to know how to modify an Icom IC-730 to reduce low power down to 5 watts, currently the lowest output is 10 watts. I know this can be done on a 735, anybody done it on the 730?

Thanks
----
73 de KA0GKC Claton Cadmus
   cla@spacestar.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page http://www.qsl.net/mnqrp

End of QRP-L Digest 959
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